

## FIGURE 1

## FIGURE 1 CONTINUED

SEQ ID NO: 50  
SEQ ID NO: 54  
SEQ ID NO: 63  
SEQ ID NO: 10  
SEQ ID NO: 14  
SEQ ID NO: 26  
SEQ ID NO: 30  
SEQ ID NO: 32  
SEQ ID NO: 34  
SEQ ID NO: 36  
SEQ ID NO: 42  
SEQ ID NO: 44  
SEQ ID NO: 46  
SEQ ID NO: 48  
SEQ ID NO: 50  
SEQ ID NO: 54  
SEQ ID NO: 63

TLEEDNLLSQYISSHGEGRWNLLAKRSGLK---RTGKSCRLRWLNYLKPDVKRGNLTPQE  
TPEEDEILVSYIQEHGPGNWRAVPAKTGLS---RCSKSCRLRWLNYLRPGIKRGNETEQE  
TMEEDLILINYIANHGEGVWNSSLAKAAGLK---RTGKSCRLRWLNYLRPDVKRRGNITPEE

**FIGURE 1 CONTINUED**

SEQ ID NO: 36  
 SEQ ID NO: 42  
 SEQ ID NO: 44  
 SEQ ID NO: 46  
 SEQ ID NO: 48  
 SEQ ID NO: 50  
 SEQ ID NO: 54  
 SEQ ID NO: 63

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SEQ ID NO: 10  
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 SEQ ID NO: 48  
 SEQ ID NO: 50  
 SEQ ID NO: 54  
 SEQ ID NO: 63

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-----NSEIINDHQAS----TSHVSTMAEPMEMYSPPC  
 -----XKCFWMMPRLLQK--MEQSNSP---SPHHSSM----TNMM  
 -----MRYIWMPRLVE-----RI-QATAAASAPQP.VTVP.PRP  
 -----MXYLXXXKARG-THSSSGDGP.RN-HHRNCGRHQ.QC1HL.RXQP  
 -----VRRFWMPRLQK--AKESSSSNM-SIQNQAI.PMP.FDYV.SQHL  
 -----VRRFWMPRCFKK--PKNH----LLQPCQFKT.RQL  
 -GSFGE.GFS.RQI----PRGQWER.RLQTDI.QMAK.RAL.SPEKK.PSCL.SAS.NSN.PSD  
 -----MS-----LEINDHHHHHPHQPS-SSQVSNLVEPMETY.SPTS  
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-----HQQAAAAGGAANDIAAGAY.DVRQL---HAL.PSSGMAAT.SSSDSLASESY.DDGGGL.FAN  
 -----PEDE----SSASGSLQAQHHE.DQHQQL.FLH-PLWNDDII.VDVS.SSTNVVA  
 AAAAATPAGSSAA----YASSADNIAR.LLQG.WMR--PGGGGGNGK.GPEA----SGSTST  
 YQGML-----EPFSS----  
 YQGML-----DPFS----  
 YQATF-----EPFQP----  
 YQGML-----EPFST----  
 NLGN.SG---EASMSSMSSSENINPMSSSSSPPKGN.LLWM----MP----NHF-  
 -----TMHTPTEAT  
 YTTK.FEV1NHKG.RMGLTDPSVANNDFVGSHVTQ.RYPTPENS.SSTGASSSDS.FGT.QVSTISD  
 TVGTIPPWQG.PCMNEAGPTYMDQHEQT.QTRNT.NNGSCI.SLSE.SANIPKVP----QHFG  
 L-----CLLMV---FLS----IQL----  
 SSSSF.SSTKPTTTQSV.CYASSADNIAR.MLKG.WMKN.PPKSS.RTNSSMT.QNS.FNNLAGADTA  
 YQGTL-----EPF-P----

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**FIGURE 1 CONTINUED**

SEQ ID NO: 10 LRAGEMILMDGGDWAAQQEADQGL---WPPPPPPSDLQSVVQAAGAGAGQQFQ---D  
SEQ ID NO: 14 PP---PM---PAS---PECS  
SEQ ID NO: 26 TATTQQQPQCSGEGASA---SASASQSGAAAATAQT---IQFP---T  
SEQ ID NO: 30 ---IQFP---T  
SEQ ID NO: 32 ---IQFP---T  
SEQ ID NO: 34 ---QFL---Q  
SEQ ID NO: 36 ---QFP---T  
SEQ ID NO: 42 ---KYYVQ---PHQSIPRF---LPIFTAT---L---ITTNNSRFTITRA---  
SEQ ID NO: 44 ---L---ITENSSVPENTNSADY---YQPSQISNY---SDNCITSPSGFLFPQGLDLQSM  
SEQ ID NO: 46 D---HTTITQFHAL---NTNDFGTFYEGYN---VNNNNYEMDNFKTTTWVAEDAQYPIGDCQ  
SEQ ID NO: 48 ---LGPYHHI---HT---PLG---  
SEQ ID NO: 50 ---CSSGAKGPLSSAELSENNFESL---FDFDQSLESSNSDQFSQSL---PEAT  
SEQ ID NO: 54 ---TQFP---T  
SEQ ID NO: 63 ---360

## FIGURE 1 CONTINUED

SEQ	ID NO: 10	MELSGWV-----QGFSESESITDNNEWALLEEIWKMQ.
SEQ	ID NO: 14	---PLWDID-----DAFFCSDYSLPLWG.
SEQ	ID NO: 26	TETSK---MATGGGAGGGPAPAFSMLESWLLDDGGMGLMDVVPPLGDPSEFF
SEQ	ID NO: 30	INPDQ---SSCCCTNDNNNSINYWSMEDIWSMQLLN---GD.
SEQ	ID NO: 32	-NPHH---SSCCCTNDDDNN-NYWSMEDIWSMQL-A---NY.
SEQ	ID NO: 34	SMINQ---VVVPATT-----TIGASRISGRLC---NYSMEIN
SEQ	ID NO: 36	INPDQ---SSCCCTNDNNN-INYWSMEDSWWSMQLLN---G---D
SEQ	ID NO: 42	SEQ-----KWG-----
SEQ	ID NO: 44	-PNTTPWNMQSGDSSDN-----FWDVESMLFLEQQQL---MNDNM-
SEQ	ID NO: 46	MVGSNWV-----NNDFACNMWNMDELWQFSKLQ-----K
SEQ	ID NO: 48	SEQ-----RDLV.
SEQ	ID NO: 50	VLQDE---SKPDINIAAEIMPFSILLEKWLDEAGCQEKLVGCCGDAK-FE
SEQ	ID NO: 54	TINNDH---HQNSNCCANDNNN-NYWSMEDIWSMQLLN---G-----D
SEQ	ID NO: 63	